J Lopez-Puente

List of Publications by Year
in descending order

39 papers	2,011 citations	172207 29 h-index	315357 38 g-index
39 all docs	39 docs citations	39 times ranked	1107 citing authors

#	Article	IF	Citations
1	Artificial bird strike on Hopkinson tube device: Experimental and numerical analysis. International Journal of Impact Engineering, 2020, 138, 103477.	2.4	13
2	Soft Impact. , 2019, , 1-15.		0
3	Numerical methodology to analyze the ice impact threat: Application to composite structures. Materials and Design, 2018, 141, 350-360.	3.3	21
4	The influence of laminate stacking sequence on ballistic limit using a combined Experimental/FEM/Artificial Neural Networks (ANN) methodology. Composite Structures, 2018, 183, 299-308.	3.1	46
5	Experimental and numerical analysis of step drill bit performance when drilling woven CFRPs. Composite Structures, 2018, 184, 1147-1155.	3.1	87
6	Numerical study of composite fragment impacts onto rigid target. Composite Structures, 2018, 203, 172-181.	3.1	5
7	Experimental analysis of an attenuation method for Hydrodynamic Ram effects. Materials and Design, 2018, 155, 451-462.	3.3	22
8	Experimental analysis of high velocity impacts of composite fragments. International Journal of Impact Engineering, 2017, 103, 231-240.	2.4	13
9	Numerical Simulations of High Velocity Impacts of Composite Fragments. Procedia Engineering, 2017, 197, 140-147.	1.2	2
10	Experimental analysis of ice sphere impacts on unidirectional carbon/epoxy laminates. International Journal of Impact Engineering, 2016, 96, 1-10.	2.4	47
11	Numerical analysis of the influence of tool wear and special cutting geometry when drilling woven CFRPs. Composite Structures, 2016, 138, 285-294.	3.1	62
12	Analysis of Ice Impact Process at High Velocity. Experimental Mechanics, 2015, 55, 1669-1679.	1.1	39
13	Experimental study of the impactor mass effect on the low velocity impact of carbon/epoxy woven laminates. Composite Structures, 2015, 133, 774-781.	3.1	61
14	Numerical analysis of high velocity impacts on unidirectional laminates. Composite Structures, 2014, 107, 629-634.	3.1	47
15	Experimental analysis of normal and oblique high velocity impacts on carbon/epoxy tape laminates. Composites Part A: Applied Science and Manufacturing, 2014, 60, 24-31.	3.8	51
16	On the influence of filling level in CFRP aircraft fuel tank subjected to high velocity impacts. Composite Structures, 2014, 107, 570-577.	3.1	33
17	Numerical prediction of delamination in CFRP drilling. Composite Structures, 2014, 108, 677-683.	3.1	123
18	Numerical analysis of CFRP fluid-filled tubes subjected to high-velocity impact. Composite Structures, 2013, 96, 286-297.	3.1	39

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19	Analysis of high velocity impacts of steel cylinders on thin carbon/epoxy woven laminates. Composite Structures, 2013, 95, 623-629.	3.1	47
20	Analysis of strain rate sensitivity of carbon/epoxy woven composites. International Journal of Impact Engineering, 2012, 48, 54-64.	2.4	37
21	Numerical Analysis of the Hydrodynamic Ram Phenomenon in Aircraft Fuel Tanks. AIAA Journal, 2012, 50, 1621-1630.	1.5	33
22	Numerical modelling of partially filled aircraft fuel tanks submitted to Hydrodynamic Ram. Aerospace Science and Technology, 2012, 16, 19-28.	2.5	54
23	Numerical modeling of ice behavior under high velocity impacts. International Journal of Solids and Structures, 2012, 49, 1919-1927.	1.3	99
24	Experimental study of CFRP fluid-filled tubes subjected to high-velocity impact. Composite Structures, 2011, 93, 2598-2609.	3.1	45
25	Experimental analysis of fluid-filled aluminium tubes subjected to high-velocity impact. International Journal of Impact Engineering, 2009, 36, 81-91.	2.4	81
26	Numerical modelling of the hydrodynamic ram phenomenon. International Journal of Impact Engineering, 2009, 36, 363-374.	2.4	120
27	Impact behaviour of preloaded glass/polyester woven plates. Composites Science and Technology, 2009, 69, 711-717.	3.8	45
28	Analytical modelling of high velocity impacts of cylindrical projectiles on carbon/epoxy laminates. Composites Part A: Applied Science and Manufacturing, 2009, 40, 1223-1230.	3.8	33
29	Free transverse vibrations of cracked nanobeams using a nonlocal elasticity model. Journal of Applied Physics, 2009, 105, .	1.1	98
30	Influence of conical projectile diameter on perpendicular impact of thin steel plate. Engineering Fracture Mechanics, 2008, 75, 2946-2967.	2.0	72
31	Experimental and numerical analysis of normal and oblique ballistic impacts on thin carbon/epoxy woven laminates. Composites Part A: Applied Science and Manufacturing, 2008, 39, 374-387.	3.8	154
32	Prediction of the behaviour of CFRPs against high-velocity impact of solids employing an artificial neural network methodology. Composites Part A: Applied Science and Manufacturing, 2008, 39, 989-996.	3.8	40
33	Numerical simulation and experimental study of a mechanism for Hopkinson bar test interruption. Journal of Strain Analysis for Engineering Design, 2007, 42, 163-172.	1.0	8
34	An analytical model for high velocity impacts on thin CFRPs woven laminated plates. International Journal of Solids and Structures, 2007, 44, 2837-2851.	1.3	66
35	The effect of the thickness of the adhesive layer on the ballistic limit of ceramic/metal armours. An experimental and numerical study. International Journal of Impact Engineering, 2005, 32, 321-336.	2.4	113
36	FabricaciÃ³n y caracterizaciÃ³n mecÃ¡nica de un material compuesto de matriz polimÃ©rica y carga cerÃ¡mica. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 401-405.	0.9	3

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37	Numerical modeling of the impact behavior of new particulate-loaded composite materials. Composite Structures, 2003, 61, 151-159.	3.1	42
38	High energy impact on woven laminates. European Physical Journal Special Topics, 2003, 110, 639-644.	0.2	11
39	The effect of low temperatures on the intermediate and high velocity impact response of CFRPs. Composites Part B: Engineering, 2002, 33, 559-566.	5.9	99